

What is claimed is:

1 A method of grouping entries in a directory server, said directory server configured to contain roles, the method comprising the step of:

5 assigning an entry to an enumerated role, whereby the entry can be selected by selecting all entries that possess the enumerated role.

2. The method as in claim 1 wherein the enumerated role is possessed by an arbitrary number of entries.

3. The method as in claim 1, further comprising the step of:
if an entry that possesses the enumerated role is a nested role, then rejecting that entry without further processing of the entry.

4. The method of claim 1, further comprising the step of:
providing a set of expressions and boolean operations for use to match entries in a directory search.

5. The method of claim 4, wherein the expressions comprise any one or more of operands connected by the operators,

equal = where an instance of the attribute exactly matches the value;

contains * which is used as a wild card to allow presence check or partial matches;

sounds like ~= which is used in name searches;

greater or equal >= which is used for numerical comparisons;

less or equal <= which is used for numerical comparisons;

negation ! which is used to negate any expression;
 and & which is used to combine two expressions; and
 or | which is used to select from two expressions.

- 5 6. An apparatus comprising:
 a directory server comprising:

 a first component configured to assign an entry to a first enumerated role,
 whereby the entry can be selected by selecting all entries that possess the enumerated
 role.

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7. The apparatus as in claim 6 wherein the first component assigns an arbitrary
 number of entries to said first enumerated role.

8. The apparatus as in claim 6, further comprising:

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 a second component coupled to the directory server configured to reject an entry
 without further processing if the entry that possesses the enumerated role is a nested role.

9. The apparatus of claim 6, further comprising:

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 a component to provide a set of expressions and boolean operations for use to
 match entries in a directory search.

10. The apparatus of claim 9, wherein the expressions comprise any one or more of
 operands connected by the operators,

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equal = where an instance of the attribute exactly
 matches the value;

contains * which is used as a wild card to allow presence check
 or partial matches;

	sounds like	~=	which is used in name searches;
	greater or equal	>=	which is used for numerical comparisons;
	less or equal	<=	which is used for numerical comparisons;
	negation	!	which is used to negate any expression;
5	and	&	which is used to combine two expressions; and
	or		which is used to select from two expressions.

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